

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 11-282383

(43)Date of publication of application : 15.10.1999

(51)Int.Cl.

G09F 9/30
G02F 1/1343
H01B 5/14

(21)Application number : 11-004471

(71)Applicant : TOPPAN PRINTING CO LTD

(22)Date of filing : 11.01.1999

(72)Inventor : FUKUYOSHI KENZO
KIMURA YUKIHIRO
IMAYOSHI KOJI

(30)Priority

Priority number : 10 4720 Priority date : 13.01.1998 Priority country : JP

(54) ELECTRODE SUBSTRATE AND ITS MANUFACTURE

(57)Abstract:

PROBLEM TO BE SOLVED: To provide an electrode substrate on which a conducting film having excellent optical characteristics (transmission, reflectivity), low electrical connection resistance, good patternability, and high reliability is formed.

SOLUTION: In an electrode substrate 9 for a display device, having a substrate and a multilayered conducting film, the multilayered conducting film has a lower amorphous oxide layer 2 made of an amorphous or quasi-amorphous oxide inhibiting the migration of silver at an interface to a silver thin film, the silver thin film 3, and an upper amorphous oxide layer 4 made of an amorphous or quasi-amorphous oxide inhibiting the migration of silver at the interface to the silver thin film 3, the film thickness of at least the upper amorphous oxide layer 4 being 20 nm or less.

